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FIG. 1

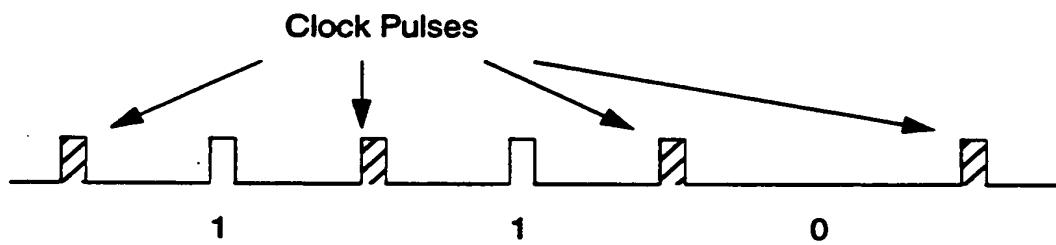
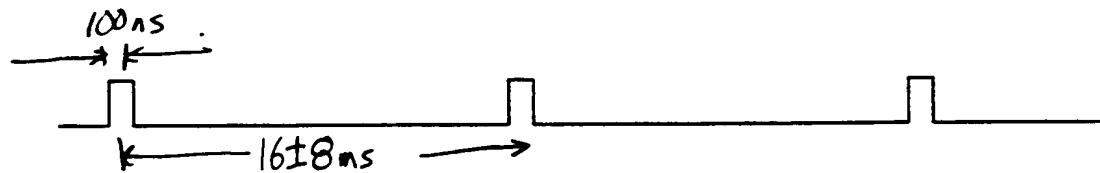
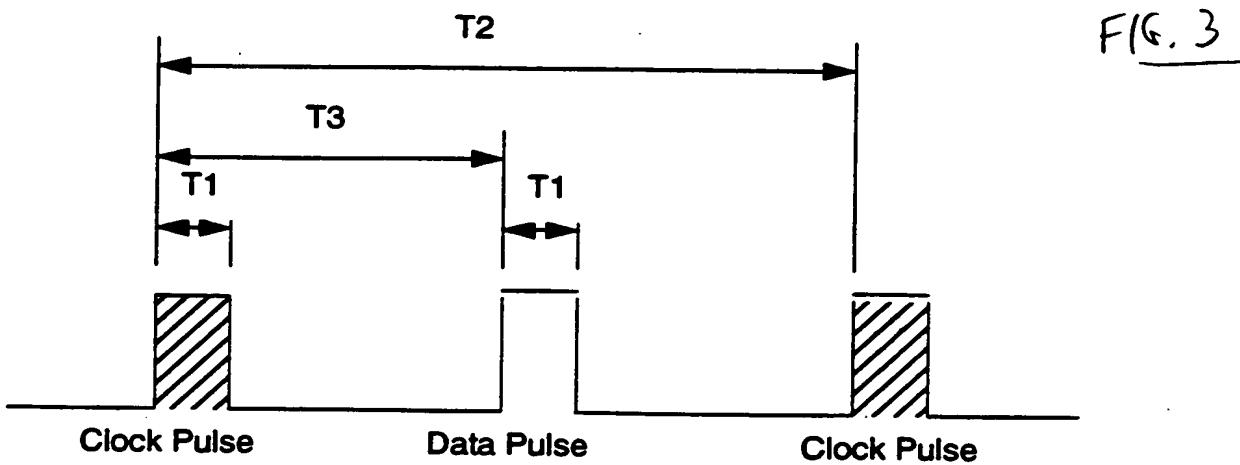


FIG. 2

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FIG. 4

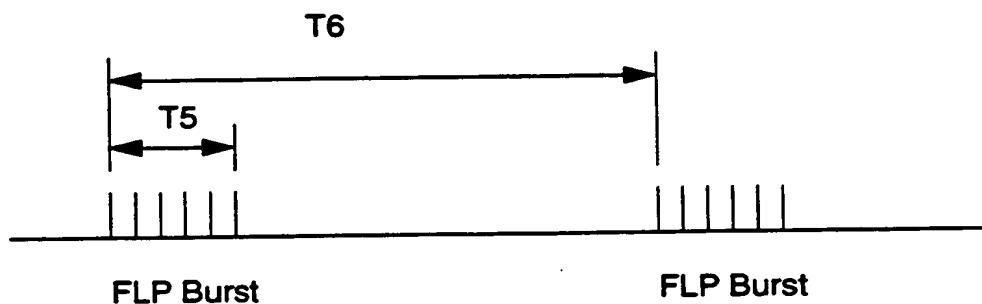


FIG. 5

| # | Parameter | Min | Typ | Max | units |
|----|--------------------------------------|-----|------|-----|-------|
| T1 | Clock / Data Pulse Width | | 100 | | ns |
| T2 | Clock Pulse to Clock Pulse | | 125 | | μs |
| T3 | Clock Pulse to Data Pulse (Data = 1) | | 62.5 | | μs |
| T4 | Pulses in a Burst | 17 | | 33 | # |
| T5 | Burst Width | | 2 | | ms |
| T6 | Burst to Burst | 8 | 16 | 24 | ms |

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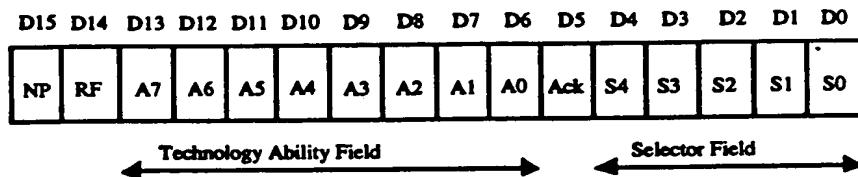


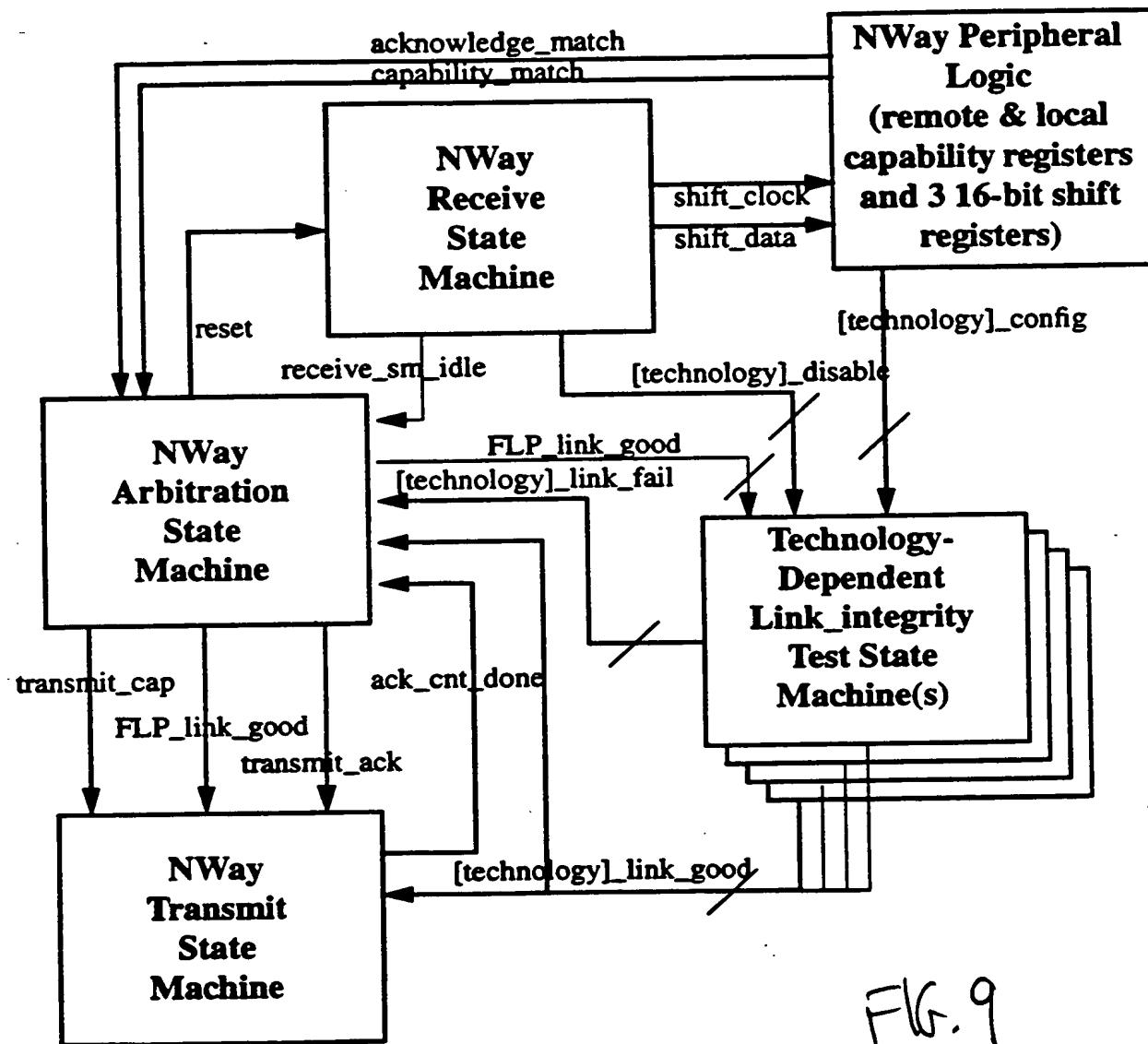
FIG. 6

| D 1 0 | D 9 | D 8 | D 7 | D 6 | Description |
|-------------|--------|--------|--------|--------|------------------------|
| 0 | 0 | 0 | 0 | 1 | 10BASE-T |
| 0 | 0 | 0 | 1 | 0 | 10BASE-T Full Duplex |
| 0 | 0 | 1 | 0 | 0 | 100BASE-TX |
| 0 | 1 | 0 | 0 | 0 | 100BASE-TX Full Duplex |
| 1 | 0 | 0 | 0 | 0 | 100BASE-T4 |

FIG. 7

| D 1 0 | D 9 | D 8 | D 7 | D 6 | Description |
|-------------|--------|--------|--------|--------|--|
| 0 | 0 | 0 | 1 | 1 | Regular and Full Duplex 10BASE-T |
| 1 | 0 | 1 | 0 | 1 | 10BASE-T, 100BASE-TX, and 100BASE-T4 all supported in normal configurations. |
| 0 | 0 | 1 | 0 | 1 | 10BASE-T and 100BASE-TX configurations both supported. |
| 1 | 1 | 1 | 0 | 0 | 100BASE-TX, 100BASE-T4, 100BASE-TX Full Duplex supported. |

FIG. 8



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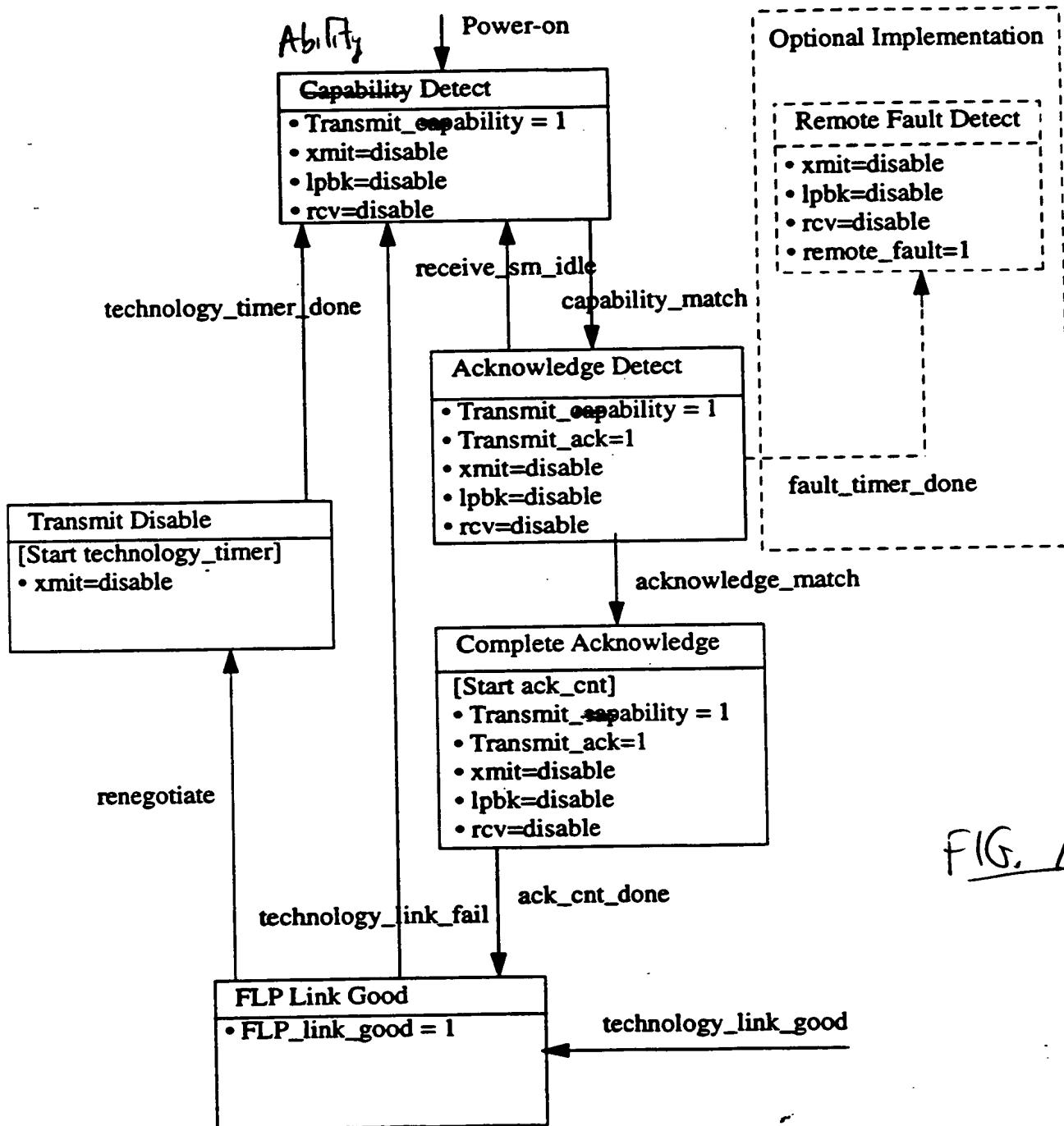


FIG. 10

Note: • capability_match is 3 consecutive data pattern match, ignoring acknowledgment bit.
• Acknowledge_match is 3 consecutive data patterns having acknowledgment bit set.
• ack_cnt_done is from FLP Transmit SM to indicate completion of sending a minimum of 4-16 acknowledge patterns.
• optional remote sensing capability, refer to Management support section

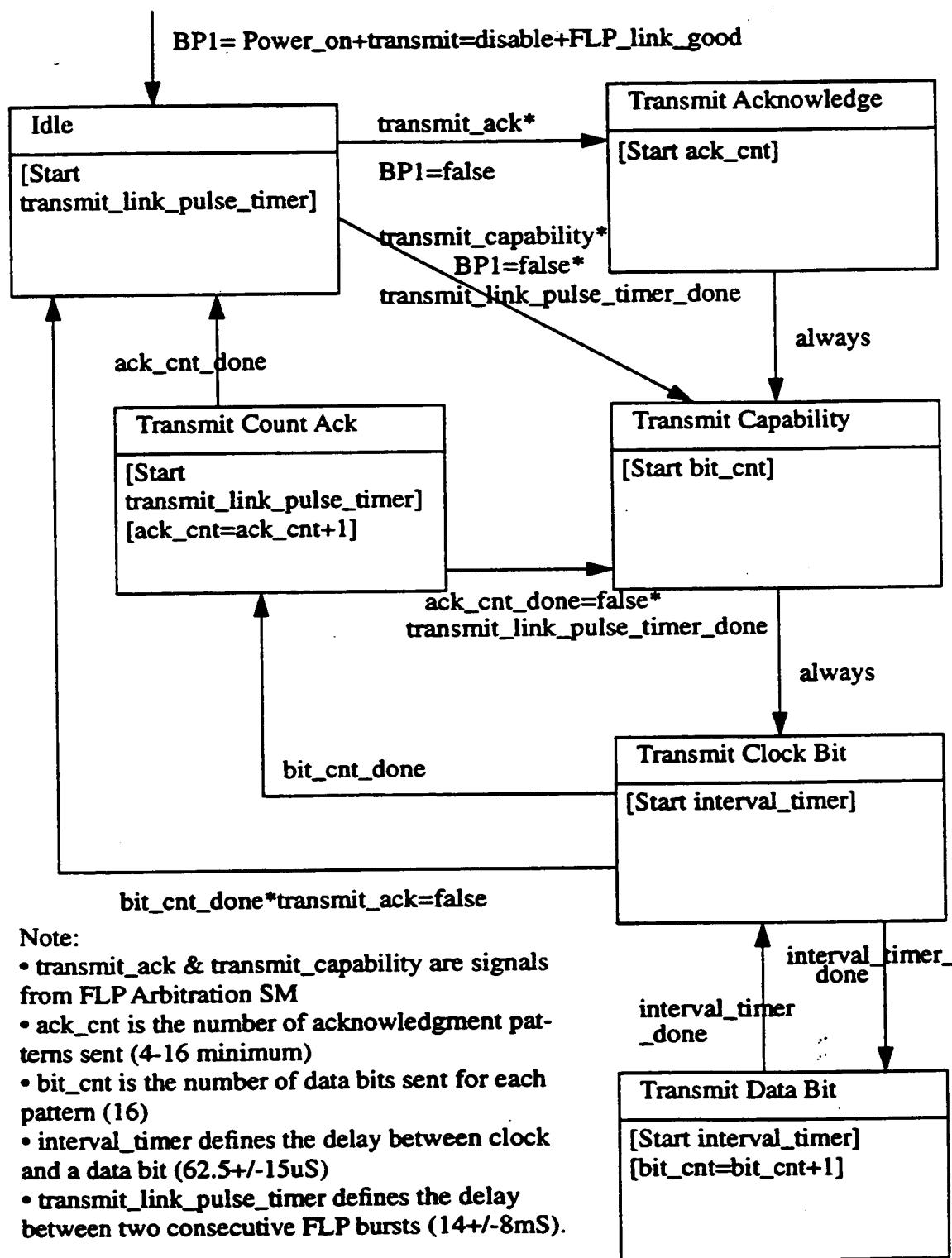
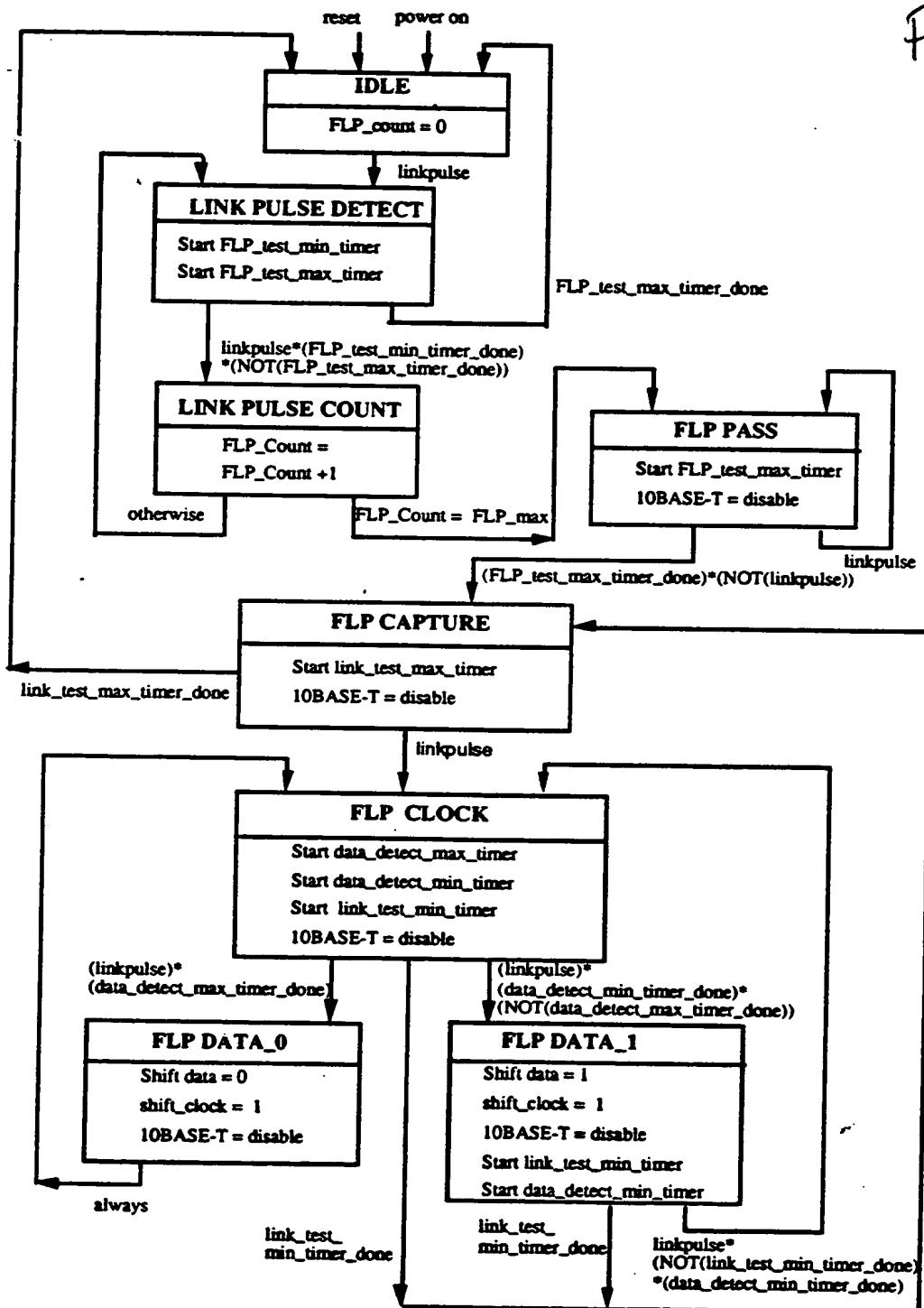


FIG. 11

FIG. 12



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FIG.13

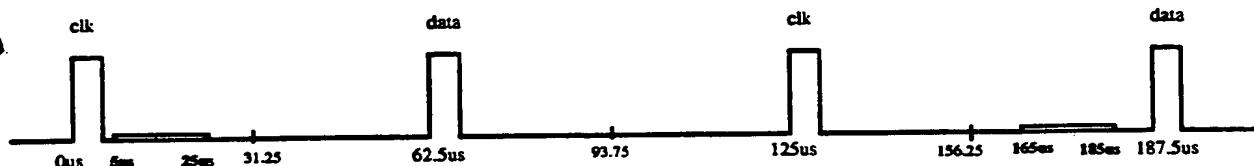
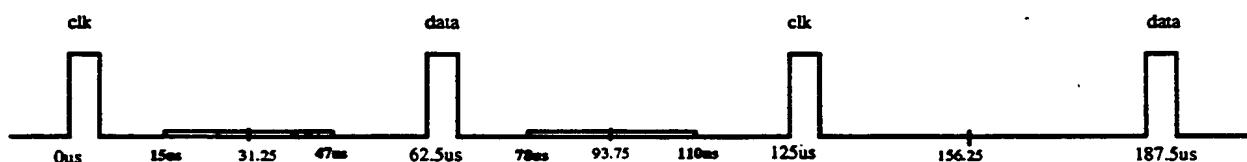


FIG.14



FIG.15



| Parameter | Min | Typ | Max | units |
|-----------------------|-----|-----|-----|-------|
| FLP_test_min_timer | 5 | | 25 | μs |
| FLP_test_max_timer | 165 | | 185 | μs |
| Link_test_min_timer | 5 | | 7 | ms |
| Link_test_max_timer | 50 | | 150 | ms |
| Data_detect_min_timer | 15 | | 47 | μs |
| Data_detect_max_timer | 78 | | 110 | μs |

FIG. 16

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FIG.17

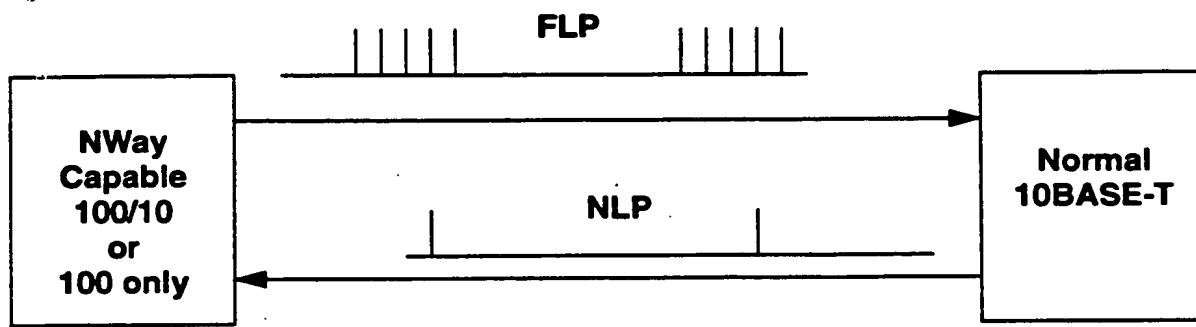


FIG.18

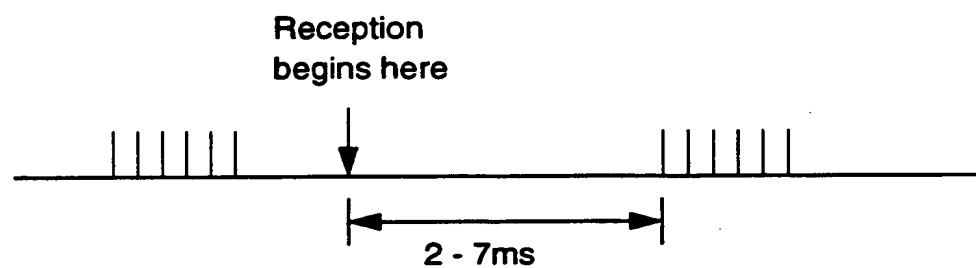
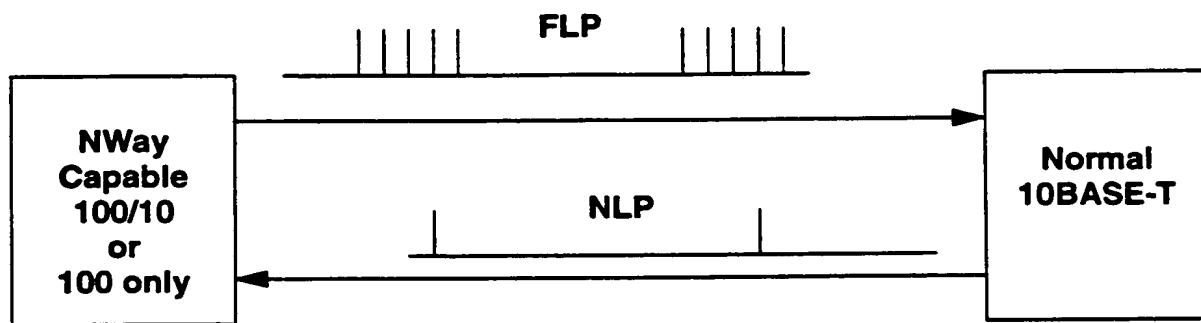


FIG.19

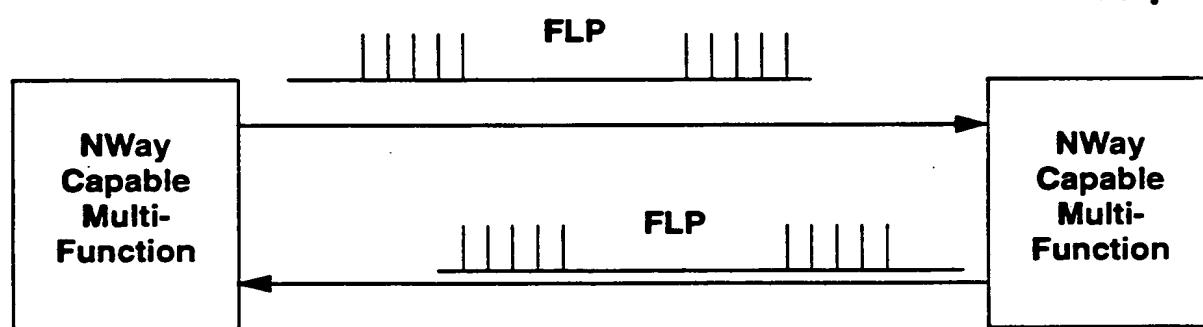


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F(G.20)



F(G.21)



F(G.22)

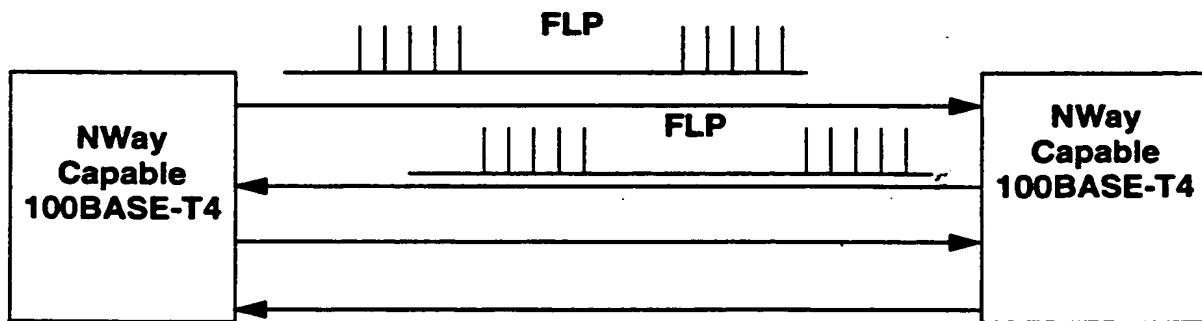
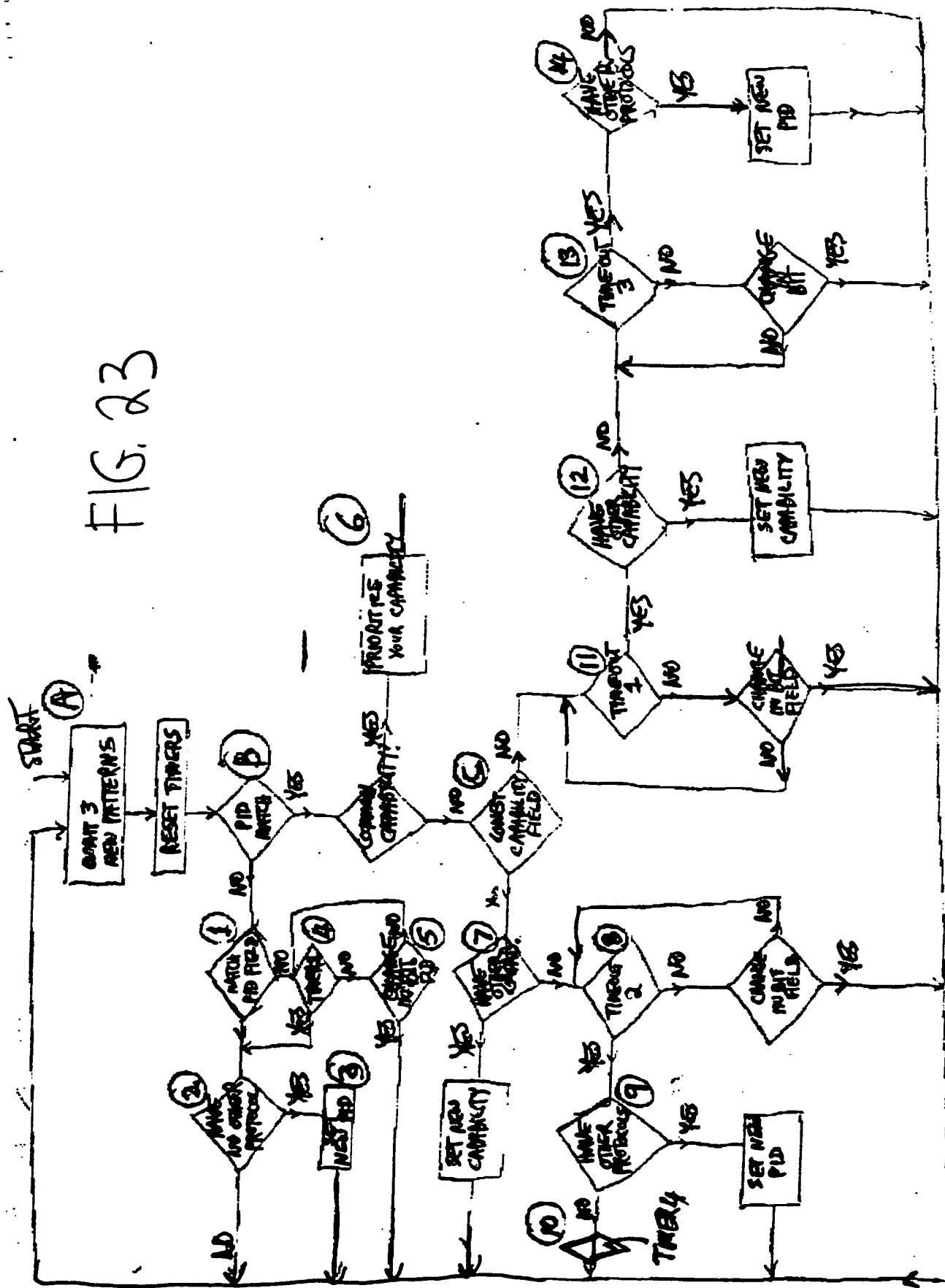


FIG. 23



Data Word Encoding (Multi-Protocol Negotiation)

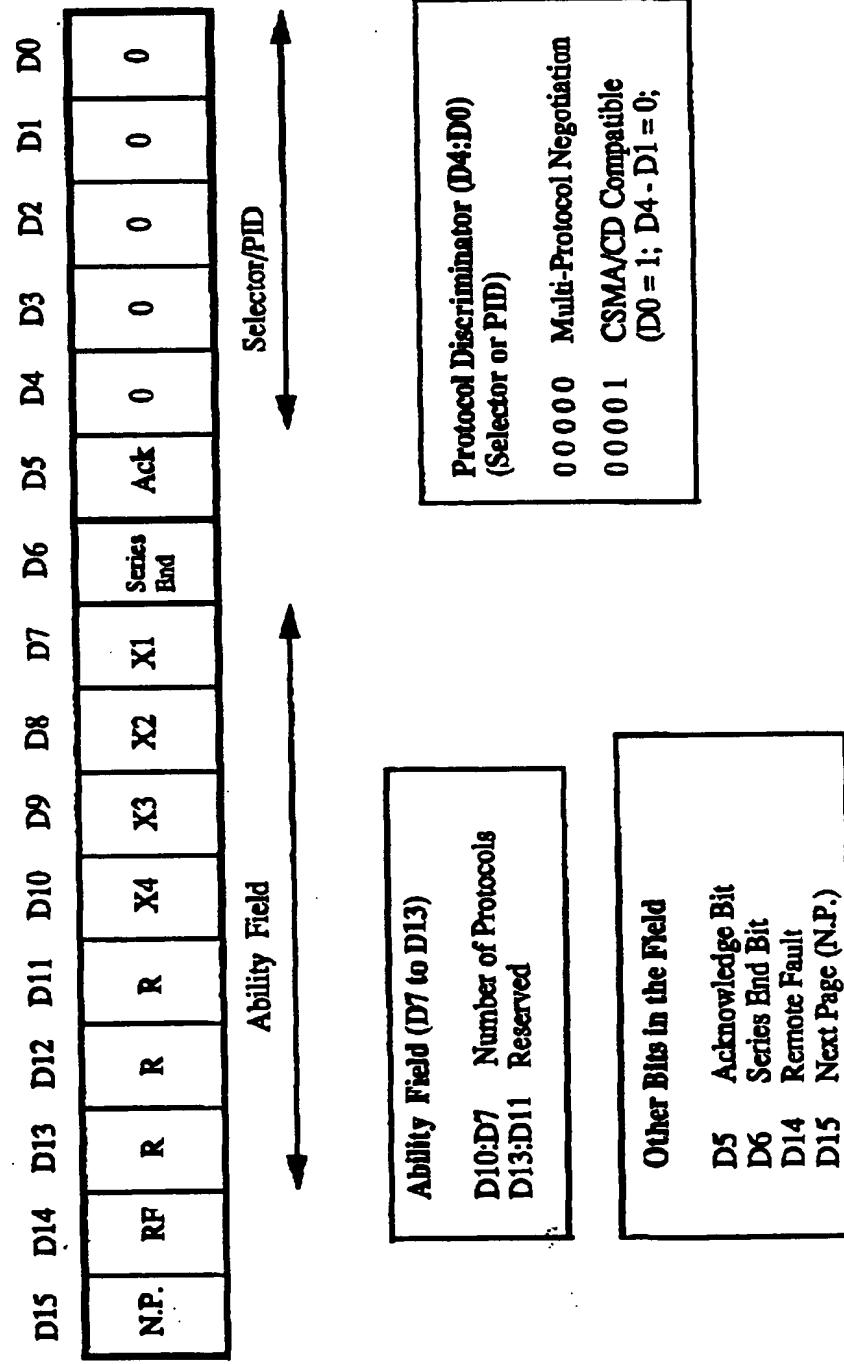


Fig. 2 4

Example of a small network

